

"After giving him insulin for a week or so, this man still had a sugar content, and the witness didn't know how much the sugar had to do with the non-healing of these stumps. The sugar content was about 220 and about 4% or 5% sugar in the urine. Witness gave him insulin. It had no effect upon the sugar at all. Witness couldn't reduce the sugar for 4 or 5 days. It remained practically the same." [R. 45.]

"Then witness looked around for some other means and he heard indirectly of Uvursin, so witness put him on Uvursin and took away all his food and gave him nothing but distilled water. In 5 days the sugar—it was the most remarkable thing witness ever saw in his life—the blood sugar was down to 130. Normal sugar is about 100, 105, 110, one-tenth of 1% of sugar is the normal quantity of sugar in the blood." [R. 45-6.]

"As the sugar decreased the stumps commenced to heal; the sutures commenced to hold. It was only a question of possibly three or four weeks and he was feeling fine and both stumps had healed. That was the most remarkable case witness ever saw." [R. 46.]

"The treatment with Uvursin was in June, 1932. He later died in the Orange County Hospital from another cause, intermediary pneumonia, in 1936." [R. 46.]

"Another case was in 1933. He was a prominent man in Orange County; eighty-one years old. He had chronic diabetes combined with cancer of the pancreas. Witness kept him on a sustaining diet by constant use of Uvursin. Witness never used insulin in his case, but used Uvursin and kept the sugar down with the diet. He was eighty-one years old and lived four

years until 1937. Witness never gave him insulin. He just wouldn't take a hypodermic. Witness was forced to use Uvursin and the diet." [R. 46.]

"Witness had another case of a man, fifty-two years old, in 1934, with chronic diabetes, and gave him Uvursin. He is yet up in Santa Maria and is working in the oil fields as a roustabout. He has to work awfully hard. This man had previously taken insulin, but had had trouble. He broke a needle off in his thigh and got an abscess. Witness told him these capsules have worked fairly well in a number of cases and you can try them, and report to him often and see. And strange to say, he got along better than he had on insulin. He has not taken any insulin since." [R. 47.]

"He came to the office of witness last Thursday and his physical condition was fine. Witness tested his urine and he had about 3% sugar. He confessed that he had been eating a piece of pie every day for lunch. Witness took a blood sugar test and it was 180, so he took some more of these Uvursin capsules along and went back. He said he would be all right if he went on his diet and took the capsules. He is in physical condition to do heavy work." [R. 47.]

"Witness also had a woman patient fifty-two years old. She was in a diabetic coma when they brought her in and witness put her in the hospital and had to use glucose in her veins. He put 80 units of insulin in the first dose and watched her closely. Her blood sugar was 280. He worked along, normal saline intravenous and glucose intravenous with insulin, and got her out of the coma and kept her in the hospital for about a week, and she went out and took her insulin with her and she went over toward Buena Park and took a practical nurse with her to give her

the insulin. This was another case of abscess and broken needle. The practical nurse gave it to her when she was lying down, in the deltoid muscle—that is up in the shoulder—and the muscle is moving all the time. She broke the needle there and witness had to bring her back to the hospital. He hunted for that needle and that was hard to find because the deltoid muscle on the shoulder is always moving and it just played travels.” [R. 48.]

“Well, he found it. Then, she refused to take any more. She wanted some like her brother-in-law had and witness didn’t think it would possibly hold her because she was such a severe case of diabetes. He did give it to her and she took it. Strange to say she is still able to do her housework and is going strong. That was in 1934 and she is still using Uvursin and going strong. She has never used insulin since then. She won’t take it.” [R. 48.]

“Witness certainly considers that Uvursin has a therapeutic value. It has proven efficacious in his hands, in the treatment of diabetes. In the case he cited the sutures commenced to hold and the gangrene on his patient’s stumps stopped in six days, with treatment of Uvursin.” [R. 48.]

“If Uvursin wasn’t the cure, it was one of those strange coincidents that are talked about, because there was no treatment except Uvursin and the gangrene did disappear. Witness thinks that Uvursin adds to the value of the diet in the treatment of diabetes.” [R. 48.]

“In the treatment of the patient, tests are made to see the progress by checking the general feeling of the patient, the blood sugar content, and the sugar in the urine. He did this in all of the cases men-

tioned. All of his testimony was based on blood tests as well as urine tests." [R. 49-50.]

"Polyuria is excretion of a lot of urine in excess amounts. After the first few days there is no increase in the volume of urine from the use of Uvursin, and there isn't any condition that could be termed polyuria. With the Uvursin treatment witness found almost a complete absence of sugar from the urine after about 16 to 18 days. After the first few days there would be less urine passed than before, yet there would be a continued reduction in the sugar content. That has been his experience. The elimination of sugar from the urine was not due to any polyuria." [R. 49-50.]

"Doctors are constantly learning new things about the human body, and the proof comes from what works with the body itself. That's the final analysis of success. In his experience he has found Uvursin to be successful in the actual treatment of human beings. He has taken the diet suggested to use with Uvursin and has gone through it and marked the quantities of each thing that should be taken according to the weight of the patient. He takes their blood sugar and this diet, which is a very good selection of alkaline and anti-diabetic food and he thinks their bran biscuit on the back is just fine, but this diet would not be sufficient without Uvursin." [R. 50-1.]

"Whether diet without Uvursin would afford a diabetic patient relief depends upon the condition of the pancreas. The patient that witness spoke of who worked in the oil field took the diet alone when he ran out of Uvursin, and got a great increase in his sugar and headaches, and eye symptoms until he got some Uvursin. The increase of sugar content was,

of course, influenced both by the pies he ate and his failure to take the Uvursin. Of course, the diet is necessary." [R. 51.]

"He has had patients on a straight diet without the Uvursin when they would run out of Uvursin and think they could get along without it, and then they would come back suffering from the symptoms of diabetic increase, which would recede shortly after he had given them the Uvursin." [R. 51.]

"He does not know which ingredient it is of Uvursin that does the work. It is a combination, he thinks. He doesn't know what causes the effect, but the effect is there." [R. 51.]

MORTALITY SUMMARY FOR U.S. REGISTRATION STATES: I
DIABETES MELLITUS

VITAL STATISTICS—SPECIAL REPORTS

Vol. 12, No. 21, Sept. 21
August 4, 1943

A. Trend of crude death rates

Year	Deaths from diabetes mellitus	Rate per 100,000 estimated population
1940 ^a	36,015	25.5
1939.....	35,995	25.5
1938.....	31,057	23.9
1937.....	30,567	23.7
1936.....	30,425	23.7
1935.....	28,354	22.3
1934.....	28,000	22.2
1933.....	26,555	21.4
1932.....	26,146	22.0
1931.....	24,144	20.4
1930.....	22,345	19.1
1929.....	21,631	18.5
1928.....	21,547	19.0
1927.....	18,580	17.4
1926.....	16,604	17.9
1925.....	17,112	18.6
1924.....	16,354	18.4
1923.....	17,135	17.7
1922.....	16,939	18.3
1921.....	14,581	16.7
1920.....	13,998	16.1
1919.....	12,488	15.0
1918.....	12,598	15.1
1917.....	11,857	14.9
1916.....	11,518	14.9
1915.....	10,914	14.8
1914.....	9,985	14.5
1913.....	8,946	13.4
1912.....	8,852	12.1
1911.....	8,131	11.5
1910.....	7,252	10.3
1909.....	6,225	10.1
1908.....	5,319	9.5
1907.....	4,914	10.2
1906.....	4,524	10.4
1905.....	3,906	10.1
1904.....	3,035	10.2
1903.....	2,650	12.7
1902.....	2,411	11.7
1901.....	2,230	11.6
1900.....	2,187	11.0

B. Death rates (per 100,000 enumerated population) by race

Race	1940	1930
All races.....	25.5	19.1
White.....	27.6	19.8
Negro.....	18.0	12.9
Indian.....	13.6	10.3
Chinese.....	42.9	26.7
Japanese.....	12.6	5.6
Other races.....	5.9	2.0

C. Percent of deaths from diabetes mellitus to all causes, by race

Race	1940	1930
All races.....	2.5	1.7
White.....	2.8	1.8
Negro.....	1.5	0.8
Indian.....	1.0	0.7
Chinese.....	2.9	1.6
Japanese.....	1.5	0.5
Other races.....	0.6	0.2

D. Death rates by month: 1940

Month	Annual rate	Month	Annual rate
Jan.....	32.6	July.....	25.5
Feb.....	32.8	Aug.....	21.3
Mar.....	31.5	Sep.....	22.2
Apr.....	26.5	Oct.....	22.7
May.....	28.1	Nov.....	22.5
June.....	25.7	Dec.....	23.1

B. Age-specific death rates per 100,000 estimated population

Age	1940 ^a	1939	1938	1935	1930	1925	1920	1915	1910	1900
All ages.....	25.5	25.5	23.9	23.5	19.1	18.5	18.1	17.5	16.5	11.0
Under 1 year.....	1.5	1.5	1.5	0.9	0.7	1.0	1.4	1.2	1.2	2.5
1-4 years.....	0.8	0.8	0.9	1.1	1.5	1.3	2.3	2.5	2.4	2.0
5-14 years.....	2.4	1.5	1.4	1.5	2.0	2.1	3.5	4.3	3.8	3.3
15-24 years.....	2.4	2.3	2.2	2.5	2.8	2.9	4.9	4.7	4.8	4.2
25-34 years.....	2.8	2.5	2.5	2.7	3.3	3.4	5.6	5.9	5.1	5.0
35-44 years.....	5.7	5.4	5.5	5.3	6.8	7.0	8.2	8.9	8.3	6.8
45-54 years.....	25.0	26.7	24.0	24.3	28.5	23.1	28.1	28.0	25.7	15.5
55-64 years.....	87.2	85.0	79.7	80.5	78.5	68.8	64.8	72.5	68.0	40.8
65-74 years.....	198.3	186.1	170.0	171.5	151.3	130.6	113.7	125.3	104.5	87.0
75 years and over.....	256.0	226.5	242.7	222.5	174.4	156.7	131.6	150.9	106.7	68.8

C. Death rates, by sex and race, per 100,000 estimated population

Sex and race	1940 ^a	1939	1938	1935	1930	1925	1920	1915	1910	1900
Male.....	20.0	19.1	17.8	17.2	13.0	13.8	14.4	15.5	14.0	11.2
Female.....	30.2	32.0	30.1	27.5	25.2	19.8	18.0	19.9	16.6	10.7
White.....	27.6	26.4	24.8	23.5	19.8	17.4	16.9	17.9	15.5	—
Male.....	20.9	19.9	18.1	17.4	13.5	14.3	15.0	16.7	—	—
Female.....	34.3	33.0	31.2	28.7	24.0	20.5	18.6	20.9	—	—
Other races.....	17.9	17.6	15.5	15.5	12.6	10.6	8.0	10.5	—	—
Male.....	11.1	10.5	9.4	8.4	8.4	7.2	8.4	—	—	—
Female.....	23.8	22.4	20.9	17.0	16.1	12.5	8.8	12.5	—	—

B. Age-specific death rates, by sex and race: 1940

Sex and race	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
Total.....	25.5	1.5	0.8	1.4	2.4	2.8	6.7	25.0	87.2	198.3	256.0
Male.....	20.0	1.8	0.9	1.2	2.3	2.7	5.3	18.1	60.5	139.3	229.5
Female.....	30.2	1.2	0.6	1.6	2.4	2.9	8.0	32.4	115.2	258.6	296.3
White.....	27.6	1.4	0.9	1.4	2.3	2.5	5.6	23.4	87.2	196.4	276.2
Male.....	20.9	1.7	0.9	1.2	2.1	2.6	5.0	17.6	61.2	145.8	237.6
Female.....	34.3	1.1	0.8	1.5	2.4	2.8	6.1	29.5	114.3	246.5	310.3
Negro.....	18.0	1.7	0.6	1.0	3.3	4.8	16.8	42.1	86.4	100.7	111.4
Male.....	11.4	1.8	0.5	0.8	3.5	3.9	8.1	22.5	47.0	54.0	105.5
Female.....	24.2	1.7	0.4	1.9	3.0	5.8	24.4	64.6	129.4	139.4	116.5
Other races.....	16.8	8.2	0	0	0	0	7.5	44.8	112.5	108.4	113.8
Male.....	19.2	16.4	0	0	0	0	8.7	32.5	105.1	99.9	87.2
Female.....	15.5	0	0	0	1.8	0	11.1	50.9	135.6	118.5	87.2

E. Contributory causes of death: 1940

Cause	Number	Percent
Total.....	39,008	100.0
Primary cause.....	35,015	89.8
Only cause.....	5,355	13.7
With other causes.....	29,663	76.0
Secondary to other causes.....	5,991	10.2

I. Principal causes secondary to diabetes mellitus, by rank order: 1940

Cause	Number	Percent
Total.....	29,663	100.0
M. of heart (all forms) (90-95).....	12,355	41.6
Sepsis (all forms) (130-132).....	4,365	14.4
Intra. lesions of visc. org. (85).....	3,474	11.7
Influenza and pneumonia (all forms) (127-128).....	2,121	7.3
Arteriosclerosis, etc. (97).....	1,816	6.1
All other causes.....	5,622	19.0

J. Principal causes to which diabetes mellitus is secondary, by rank order: 1940

Cause	Number	Percent
Total.....	5,991	100.0
Cancer (all forms) (40-58).....	1,544	25.7
Tuberculosis (all forms) (13-22).....	725	12.0
Accidents (169-185).....	513	8.5
Appendicitis (121).....	232	3.9
Syphilis (all forms) (90).....	136	2.3
All other causes.....	681	11.4

K. Death rates (per 100,000 enumerated population), by place of residence, by race: 1940

Area	Total	White	Other races
United States.....	25.5	27.6	17.9
Cities of -			
100,000 and over.....	33.9	34.7	25.6
10,000 to 100,000.....	30.7	31.1	25.8
2,500 to 10,000.....	29.9	30.5	22.8
Rural.....	19.3	20.5	11.1

L. Percent distribution by institution: 1940

Institution	Number	Percent
Total.....	35,015	100.0
Not in institution.....	18,957	54.2
In general hospital.....	15,472	39.6
In tuberculosis hospital.....	22	0.1
In other nonresidential institutions.....	1,053	3.0
In mental institution.....	388	1.1
In other residential institutions.....	501	1.4

M. Percent distribution in institutions, by type of control: 1940

Type of control	Number	Percent
Total.....	35,015	100.0
No institution.....	18,957	54.2
Government.....	4,861	13.9
Nonprofit.....	9,225	26.3
Proprietary.....	1,356	3.7
Other.....	646	1.9

^a See Introduction (Vital Statistics—Special Reports, vol. 12, No. 1, p. 5) for composition and significance of S. S. Death Registration States.
Based on enumerated population. Based on estimated population.
*Cancer (90), 5.9; hemorrhagic infarction, etc. (111), 1.1; other diseases of the kidneys and ureters, etc. (128), 1.1; sarcoma and carcinoma (141), 1.0; senility (182), 0.5; all other causes.

DIABETES MELLITUS

1. DEATH RATES (NUMBER PER 100,000 INHABITED POPULATION) FOR DIABETES MELLITUS, BY AGE AND RACE BY PLACE OF OCCURRENCE, AND BY URBAN AND RURAL BY PLACE OF RESIDENCE, AND PERCENT OF DEATHS IN HOSPITALS BY PLACE OF OCCURRENCE: RACE GEOGRAPHIC DIVISION AND STATE, 1940

Division and State	Total (all ages)	Place of occurrence								Place of residence				Percent in hos- pitals by place of oc- currence
		Under 1	1-4	5-14	15- 24	25- 44	45- 64	65 and over	White	Negro	Urban	Rural		
United States...	26.6	1.5	0.8	1.4	2.4	4.6	50.2	211.8	27.6	18.0	32.6	21.1	45.8	
New England.....	35.6	0	1.1	1.3	1.2	4.5	56.8	254.1	36.6	36.4	36.5	34.1	46.9	
Maine.....	32.1	0	0	2.6	2.8	3.5	42.2	227.8	32.1	76.7	37.7	29.2	36.8	
New Hampshire.....	37.0	0	0	1.3	0	4.4	62.5	221.7	37.1	0	32.8	40.3	45.8	
Vermont.....	33.7	0	0	1.6	0	3.1	59.4	211.6	33.7	0	28.7	35.2	45.5	
Massachusetts.....	35.7	0	1.3	1.4	1.2	4.7	53.8	233.9	35.8	32.5	35.7	37.2	47.7	
Rhode Island.....	36.8	0	2.7	0.9	0	3.7	70.1	292.9	36.5	83.5	36.3	47.5	36.6	
Connecticut.....	35.8	0	1.1	0.4	1.6	4.8	58.9	279.5	35.9	33.3	39.1	30.1	53.9	
Middle Atlantic.....	38.4	1.5	0.8	1.1	1.8	4.5	73.7	301.2	36.7	33.2	40.1	35.3	49.4	
New York.....	40.6	0.6	0.6	1.0	1.5	4.2	76.0	319.4	41.2	27.7	41.5	37.2	54.1	
New Jersey.....	36.4	0	0.5	0.6	1.2	4.2	66.2	300.2	36.2	40.1	36.8	36.3	47.6	
Pennsylvania.....	36.3	3.0	1.2	1.4	2.5	5.2	73.6	276.9	36.3	36.8	39.0	33.7	43.1	
East North Central...	30.5	2.3	1.0	1.5	2.3	4.8	54.4	225.2	30.4	31.5	32.6	28.0	45.4	
Ohio.....	31.3	1.0	1.0	1.5	1.6	5.2	57.3	214.9	31.2	33.3	33.0	29.1	41.5	
Indiana.....	28.1	3.8	0.9	1.1	2.5	4.4	47.8	190.3	27.9	33.6	29.7	28.7	37.2	
Illinois.....	34.1	2.9	1.4	1.1	2.6	5.3	60.7	254.1	34.1	34.1	37.5	29.1	49.8	
Michigan.....	26.7	1.2	0.6	2.0	2.7	4.0	50.2	229.1	26.8	20.6	25.7	27.7	46.9	
Wisconsin.....	28.4	4.1	1.0	2.1	2.2	4.8	45.2	216.8	28.4	65.8	31.7	28.0	47.8	
West North Central...	28.5	1.9	1.4	1.9	2.7	4.0	37.7	201.8	28.6	25.4	28.8	25.4	42.1	
Minnesota.....	26.8	4.4	3.3	0.9	2.4	4.0	34.9	229.5	26.8	20.1	28.1	26.4	48.2	
Iowa.....	28.4	0	1.2	2.4	2.0	4.1	36.0	212.5	28.3	58.9	29.7	27.6	36.5	
Missouri.....	25.3	0	0.9	1.3	3.1	4.4	41.7	166.4	25.5	22.9	29.8	21.5	44.3	
North Dakota.....	26.6	8.3	0	3.1	2.4	3.5	42.9	269.1	26.6	0	31.8	25.5	43.6	
South Dakota.....	23.2	0	0	1.7	2.5	4.0	31.4	216.3	23.3	0	26.0	23.2	43.6	
Nebraska.....	28.1	0	1.2	3.1	3.4	3.2	35.9	230.0	28.2	14.1	29.4	27.6	32.7	
Kansas.....	28.0	3.8	0.9	2.3	2.5	3.3	39.3	181.4	25.9	30.7	25.5	26.4	36.8	
South Atlantic.....	18.2	0.6	0.6	1.2	2.6	5.5	44.3	157.0	19.5	14.3	26.7	13.9	40.8	
Delaware.....	30.0	0	6.4	2.4	2.1	2.4	54.4	218.8	29.5	33.4	41.8	20.8	40.0	
Maryland.....	31.2	0	0	0.7	2.1	5.8	56.4	256.6	33.5	19.2	36.5	25.2	44.0	
Dist. of Columbia...	33.5	0	0	1.3	6.1	8.7	58.3	271.8	35.2	29.4	30.8	...	60.8	
Virginia.....	20.1	0	1.0	0.6	2.1	5.5	51.5	160.1	19.9	20.7	26.1	17.8	36.0	
West Virginia.....	17.4	0	0	1.3	2.6	4.0	42.7	164.4	17.0	22.1	31.5	13.7	33.2	
North Carolina.....	14.2	1.4	1.0	1.7	3.0	4.9	40.9	135.4	14.8	12.6	16.8	12.9	41.5	
South Carolina.....	12.6	0	0.6	0.7	2.4	4.6	42.8	111.9	14.4	10.2	25.1	10.6	31.8	
Georgia.....	12.2	1.7	0.4	1.2	3.0	5.3	30.4	96.3	13.8	9.0	17.7	10.2	36.8	
Florida.....	19.6	0	0	2.5	1.5	7.5	40.1	132.6	21.2	15.4	24.1	15.3	46.8	
East South Central...	13.9	1.4	1.0	1.3	3.0	5.5	30.3	115.9	13.9	14.0	21.1	11.8	32.9	
Kentucky.....	15.7	0	0	1.4	3.1	6.0	30.7	121.0	15.2	22.0	24.3	13.6	26.1	
Tennessee.....	14.2	0	1.3	1.6	2.1	4.7	30.7	118.2	13.0	20.0	21.4	11.1	39.0	
Alabama.....	12.2	1.8	2.1	1.5	2.5	5.6	29.4	107.9	12.4	11.7	18.4	10.1	34.6	
Mississippi.....	13.4	4.7	0.5	0.6	4.4	6.1	30.5	113.5	14.9	11.7	19.0	12.4	29.5	
West South Central...	14.4	1.3	0.5	1.3	2.6	4.6	33.3	119.9	14.6	13.4	20.7	11.8	36.1	
Arkansas.....	10.5	2.7	0	1.0	2.7	4.7	25.9	71.6	11.1	6.3	19.3	6.3	29.9	
Louisiana.....	17.5	0	0.5	0.6	1.8	6.6	46.8	150.4	19.2	14.4	26.6	13.1	49.2	
Oklahoma.....	14.4	0	1.1	1.3	2.3	2.8	27.3	131.1	14.3	14.8	19.0	13.1	34.1	
Texas.....	14.4	1.8	0.4	1.7	3.0	4.5	33.0	119.7	14.3	14.8	19.3	11.9	36.3	
Mountain.....	16.1	1.2	0.9	1.0	3.3	2.5	28.2	153.7	16.4	24.7	21.4	13.6	53.0	
Montana.....	19.3	10.0	0	1.1	1.0	2.5	34.8	162.7	19.8	0	26.0	17.4	59.3	
Idaho.....	17.5	0	0	4.1	4.0	0	32.9	194.0	17.7	0	22.1	15.7	49.9	
Wyoming.....	16.4	0	0	0	4.2	5.3	20.7	199.1	15.8	0	14.6	16.0	34.1	
Colorado.....	17.8	0	0	1.0	4.1	3.1	25.5	141.1	17.9	16.4	21.7	14.9	59.5	
New Mexico.....	9.3	0	2.0	0	3.0	0.7	14.3	120.3	8.7	21.4	6.9	7.7	43.2	
Arizona.....	11.0	0	0	0	2.2	2.0	29.0	106.7	11.0	26.7	19.6	6.6	52.7	
Utah.....	19.4	0	2.1	0.9	3.7	3.4	34.6	215.1	19.7	0	25.0	15.6	44.9	
Nevada.....	20.9	0	13.8	0	5.6	8.3	37.0	132.4	20.2	301.2	23.5	16.9	73.9	
Pacific.....	25.1	2.3	0.4	1.8	2.5	3.3	36.7	186.0	25.3	21.6	26.4	20.4	54.6	
Washington.....	28.1	0	0	1.5	3.7	4.8	34.8	188.5	23.1	30.8	32.7	20.6	53.4	
Oregon.....	25.9	6.4	0	5.8	4.9	2.1	32.6	186.6	25.9	39.0	34.3	20.7	53.5	
California.....	24.7	2.2	0.6	1.2	2.0	3.1	36.4	183.9	25.0	17.7	27.0	20.3	56.1	

¹ "Rural" includes areas having less than 10,000 population.

3. NUMBER OF DEATHS FROM DIABETES MELLITUS, BY AGE AND RACE BY PLACE OF OCCURRENCE, AND BY URBAN AND RURAL BY PLACE OF RESIDENCE, AND NUMBER OF DEATHS IN HOSPITALS BY PLACE OF OCCURRENCE.
RACE GEOGRAPHIC DIVISIONS AND STATE, 1940

Division and State	Place of occurrence										Place of residence		Number in hospitals by place of occurrence
	Total (all ages)	Under 1	1-4	5-14	15-24	25-44	45-64	65 and over	White	Negro	Urban	Rural	
United States..	35,015	30	72	310	563	1,818	12,104	19,101	32,606	2,310	20,423	14,592	15,048
New England.....	3,006	-	5	17	18	111	1,054	1,818	2,969	37	2,136	880	1,411
Maine.....	272	-	-	4	4	8	78	185	271	-	96	173	100
New Hampshire.....	182	-	-	1	-	6	67	102	182	-	78	102	85
Vermont.....	121	-	-	1	-	3	44	73	121	-	16	107	55
Massachusetts.....	1,542	-	3	9	9	61	580	957	1,524	18	1,273	276	736
Rhode Island.....	277	-	1	1	-	8	108	159	270	7	240	41	107
Connecticut.....	612	-	1	1	5	25	222	356	601	11	435	179	350
Middle Atlantic.....	10,560	8	12	48	69	397	4,370	5,699	10,150	421	7,474	3,135	5,228
New York.....	5,471	1	4	19	34	189	2,278	2,945	5,304	158	4,372	1,096	2,959
New Jersey.....	1,513	-	1	5	9	56	605	837	1,422	91	1,037	467	720
Pennsylvania.....	3,596	4	7	24	45	152	1,487	1,876	3,424	172	2,065	1,562	1,549
East North Central..	8,116	9	16	64	107	393	3,089	4,434	7,768	337	4,895	3,246	3,682
Ohio.....	2,185	1	4	16	19	106	857	1,180	2,051	113	1,304	861	898
Indiana.....	964	2	6	15	44	245	548	923	41	466	497	359	359
Illinois.....	2,693	3	6	13	36	133	1,057	1,443	2,558	132	1,895	827	1,541
Michigan.....	1,402	1	2	18	25	64	534	706	1,353	43	784	612	856
Wisconsin.....	692	2	2	11	12	44	296	325	583	8	446	449	426
West North Central..	3,567	4	12	42	63	153	1,066	2,245	3,494	69	1,341	2,249	1,509
Minnesota.....	747	2	6	4	12	32	202	498	741	2	303	433	350
Iowa.....	959	-	2	10	9	29	188	494	713	9	229	498	278
Missouri.....	171	-	2	8	20	50	337	542	905	56	497	456	425
North Dakota.....	149	1	-	4	3	6	50	106	168	-	27	142	78
South Dakota.....	370	-	1	2	7	8	40	97	144	-	27	125	65
Nebraska.....	489	1	1	7	-	17	150	285	449	20	141	330	182
Kansas.....	5,237	2	8	44	93	285	1,221	1,521	2,559	674	1,494	1,698	1,321
South Atlantic.....	80	-	1	1	2	30	45	86	12	47	32	32	32
Delaware.....	568	-	2	7	22	80	112	167	55	204	...	135	135
Maryland.....	222	-	2	3	11	42	232	248	402	137	201	340	194
Dist. of Columbia..	331	-	-	5	10	21	129	166	304	25	120	209	110
Virginia.....	506	1	3	13	25	49	205	212	379	156	139	364	210
West Virginia.....	239	-	1	3	10	23	111	91	156	83	73	170	76
South Carolina.....	360	1	1	8	19	46	145	156	281	96	143	236	140
Georgia.....	372	-	-	6	3	45	140	174	293	79	198	143	174
Florida.....	1,500	3	9	29	62	167	519	710	1,109	390	500	991	494
East South Central..	448	-	-	6	17	46	148	229	401	47	153	302	126
Kentucky.....	415	-	3	9	12	40	148	203	313	102	176	232	162
Tennessee.....	345	1	3	9	14	44	125	147	230	115	119	221	120
Alabama.....	292	2	1	3	19	37	98	131	165	126	52	236	86
Mississippi.....	1,876	3	5	34	64	180	764	662	1,536	324	793	1,089	714
West South Central..	204	-	-	4	10	25	94	77	163	40	46	152	61
Arkansas.....	413	-	1	3	8	47	175	179	290	122	204	210	203
Louisiana.....	337	-	2	6	10	19	109	190	301	25	122	222	115
Oklahoma.....	922	2	2	21	36	69	356	416	764	137	421	505	335
Texas.....	870	1	3	8	25	30	217	396	654	9	220	404	355
Mountain.....	108	1	-	1	1	4	42	56	107	-	35	74	64
Montana.....	92	-	-	4	4	4	32	52	92	-	23	66	45
Idaho.....	200	-	-	2	4	10	25	99	122	2	104	96	119
Wyoming.....	44	-	1	-	3	1	11	26	43	1	8	34	19
Colorado.....	55	-	-	-	2	3	24	26	47	4	20	34	29
New Mexico.....	107	-	1	1	4	6	31	65	107	-	56	51	46
Arizona.....	23	-	1	1	4	3	9	9	21	2	5	15	17
Utah.....	2,443	3	2	24	42	102	804	1,466	2,375	29	1,568	860	1,334
Nevada.....	453	-	-	4	11	25	141	272	444	6	263	192	242
Pacific.....	282	1	-	9	9	7	63	173	279	1	139	142	151
Washington.....	1,708	2	2	11	22	70	560	1,021	1,652	22	1,166	628	941
Oregon.....													
California.....													

*"Rural" includes areas having less than 10,000 population.

DIABETES MELLITUS—U.S. REGISTRATION STATES¹

B. NUMBER OF DEATHS, BY AGE

Age	1940	1939	1938	1935	1930	1925	1920	1915	1910	1900
All ages.....	35,015	33,395	31,037	28,354	22,345	17,112	13,698	10,914	7,252	2,187
Under 1 year.....	30	27	30	18	14	21	28	16	12	10
1-4 years.....	72	69	72	95	129	113	160	113	94	33
5-14 years.....	310	334	332	354	463	437	606	509	329	124
15-24 years.....	563	540	515	580	599	526	717	533	417	157
25-44 years.....	598	557	535	537	629	559	798	625	424	178
45-54 years.....	1,220	1,164	1,144	1,128	1,121	971	976	761	547	186
55-64 years.....	3,885	3,918	3,593	3,453	2,933	2,392	2,030	1,652	1,151	309
65-74 years.....	9,219	8,799	8,050	7,621	6,242	4,524	3,639	2,832	1,861	504
75 years and over.....	12,059	11,464	10,777	9,568	8,361	4,933	3,330	2,677	1,701	472
	7,032	6,499	5,973	4,968	3,239	2,330	1,623	1,192	751	210

C. NUMBER OF DEATHS, BY SEX AND RACE

Sex and race	1940	1939	1938	1935	1930	1925	1920	1915	1910	1900
Male.....	13,220	12,568	11,606	11,010	8,904	7,159	6,301	4,906	3,430	1,124
Female.....	21,795	20,837	19,431	17,354	13,441	9,953	7,397	6,008	3,822	1,063
White.....	32,606	31,043	28,965	26,506	20,856	16,156	13,325	10,627	7,161	---
Male.....	12,438	11,794	10,936	10,362	8,359	6,767	5,041	4,777	---	---
Female.....	20,168	19,249	18,029	16,144	12,497	9,391	7,284	5,850	---	---
Other races.....	2,409	2,352	2,072	1,758	1,487	954	575	287	91	---
Male.....	782	764	670	648	545	392	250	129	---	---
Female.....	1,627	1,588	1,402	1,110	942	562	313	158	---	---

D. NUMBER OF DEATHS, BY AGE, SEX, AND RACE: 1940

Sex and race	All ages	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over
Total.....	35,015	30	72	310	563	598	1,220	3,865	9,219	12,059	7,032
Male.....	13,220	18	39	138	270	288	488	1,441	3,271	4,413	2,844
Female.....	21,795	12	33	172	293	310	732	2,444	5,948	7,656	4,188
White.....	32,606	25	66	258	480	495	915	3,324	8,580	11,568	6,860
Male.....	12,438	15	33	121	227	240	415	1,281	3,075	4,251	2,761
Female.....	20,168	10	31	147	255	245	500	2,043	5,505	7,337	4,099
Negro.....	2,310	4	6	42	82	103	299	536	599	463	174
Male.....	716	2	4	17	43	39	70	141	170	151	77
Female.....	1,594	2	2	25	39	64	228	395	429	312	97
Other races.....	99	1	-	-	1	-	3	19	26	11	6
Male.....	66	1	-	-	-	-	3	6	14	7	2
Female.....	33	-	-	-	1	-	-	-	-	-	-

E. NUMBER OF DEATHS, BY RACE

Race	1940	1930
All races.....	35,015	22,345
White.....	32,606	20,856
Negro.....	2,310	1,486
Indian.....	46	35
Japanese.....	34	20
Chinese.....	16	5
Other races.....	3	1

G. NUMBER OF DEATHS, BY MONTH: 1940

Month	Number of deaths	Month	Number of deaths
January.....	3,651	July.....	2,841
February.....	3,418	August.....	2,377
March.....	3,468	September.....	2,394
April.....	2,901	October.....	2,645
May.....	2,795	November.....	2,835
June.....	2,509	December.....	3,151

K. NUMBER OF DEATHS BY PLACE OF RESIDENCE, BY RACE: 1940

Area	Total	White	Negro	Other races
United States.....	35,015	32,606	2,310	99
Cities of -				
100,000 and over.....	12,865	11,934	902	29
10,000 to 100,000.....	7,598	7,097	490	11
2,500 to 10,000.....	3,499	3,299	187	13
Rural.....	11,053	10,276	751	46

¹See Introduction (Vital Statistics—Special Reports, vol. 16, No. 1, p.3) for composition and significance of U.S. Death Registration States.

Symbols: Not applicable ...; data not available ---; quantity zero, in number tables -; quantity zero, in rate and percent tables 0; less than one-tenth of 1 percent 0.0.

